

SPECIAL PAPERS ON GENERAL METEOROLOGY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies. Anonymous publications are indicated by a —.

Australia. Commonwealth bureau of meteorology.

Report upon observations made during an official visit to Europe, Asia, and America, with recommendations referring to the meteorological service of Australia, by H. A. Hunt. [Melbourne.] 1911. 61 p. f°.

Bavaria. Königliche bayerische meteorologische Central-Station.
Deutsches meteorologisches Jahrbuch für 1911, Bayern. Jahrg. 33. München. 1912. var. pag. f°.**owman, Isaiahs.**

Forest physiography. New York. 1911. xxii, 759 p. 8°.
[Treats of the climate of the United States under each of its geographic provinces.]

Bremen. [Meteorologisches Observatorium.]

Deutsches meteorologisches Jahrbuch für 1911, Freie Hansestadt Bremen. Jahrg. 22. Bremen. 1912. 84 p. f°.

British rainfall organization.

British rainfall, 1911, by H. R. Mill. London. 1912. 108, [388] p. 8°.

Chree, C[harles].

Studies in terrestrial magnetism. London. 1912. xii, 206 p. 8°. (Macmillan's science monographs.)

Cottrell, Frederick Gardner.

The electrical precipitation of suspended particles. n. p. [1911.] 21 p. 8°. (Reprint: Jour. of indust. & engin. chem., August, 1911, v. 3, no. 8.)

Curityba (Brazil). Observatorio meteorologico.

Resumo geral das observações, 1911. Curityba. [1912.] 2 folded sheets. 8°.

Delteil, A.

Note sur le climat de la Réunion. Paris. [n. d.] 39 p. 8°.

Deuxième expédition antarctique française, "Pourquoi-pas" (1908-1910).

Observations météorologiques, par J. Rouch. Paris. [1912.] 260 p. 16 pl. 4°.

Donnersberg (Bohemia). Meteorologisches Observatorium.

Das meteorologische Observatorium auf dem Donnersberge, und die ersten Beobachtungsergebnisse im Lustrum 1905-1909, von Rudolf Spitaler. Prag. 1912. 39 p. f°. (Veröffentl. No. 1.)

Egypt. Survey department.

The rains of the Nile basin, 1910. Cairo. 1912. [6], 110 p. 4°.
(Survey dept. paper no. 6.)

Ellis, Don Carlos.

A working erosion model for schools. Washington. 1912. 11 p. 4 fig. 8°. (U. S. Off. exper. sta. Circ. 117.)

Fowler, John S. & Marriott, William.

Our weather. London. 1912. xi, 131 p. 16°. (The Temple primers.)

[Great Britain. Meteorological office.]

[Meteorological observations in Crown colonies, 1910.] n. t. p. [282] p. f°.

Great Britain. Royal observatory, Greenwich.

Results of the magnetical and meteorological observations, 1910. Edinburgh. 1912. var. pag. f°.

Havana. Colegio de Belén, Observatorio.

[Observaciones meteorológicas] Año de 1911. Habana. 1912. 16 p. f°.

Hongkong. Observatory.

Meteorological observations, 1911. Hongkong. 1912. 108 p. f°.

Indo-China. Service météorologique.

Bulletin pluviométrique, 1911. Phu-Lien. 1912. unpaged. f°.

Lisbon. Observatorio "Infante D. Luiz."

Annaes, 1910. v. 48. Lisboa. 1911. 131 p. f°.

Liverpool. Observatory.

Report of the Director . . . and meteorological results deduced from the observations taken . . . 1911. Liverpool. 1912. 45 p. 8°.

Lockyer, William J. S.

Report of the solar eclipse expedition to Vavau, Tonga islands, Apr. 29, 1911 (eastern date). London. 1912. [5], 82 p. 10 pl. f°. (Great Britain. Solar physics committee. Publication.)

London. Solar physics observatory, South Kensington.

Report upon the work, 1911. [n. p.] [1912.] 21 p. 8°.

Mehl, Adolf.

Der Freiballon in Theorie und Praxis. Stuttgart. [n. d.] 2 v. 12°.

Möller, M.

Weltamt für Wetterkunde. Braunschweig. 1912. xvi, 32 p. 8°.

Prussia. Landesanstalt für Gewässerkunde.

Jahrbuch für 1908. Berlin. 1911. var. pag. f°.
Jahrbuch für 1909. Berlin. 1911. var. pag. f°.

Quervain, Alfred de.

Aus der Wolkenwelt. Zürich. [1912?] 10 p. 3 pl. 4°. (Neujahrsblatt d. Naturf. Gesell. in Zürich auf d. J. 1912. 114. Stück.)

Rayleigh, Lord.

Scientific papers. v. 5, 1902-1910. Cambridge. 1912. xii, 624 p. 4°. [Includes papers on the composition of the atmosphere, radiation, tides, and wind pressure.]

Rudaux, Lucien.

Les phénomènes météorologiques dans les Pyrénées. Leurs conséquences; le déboisement. Paris. 1910. 53 p. 8°. (Revue de géographie annuelle.)

Russia. Central physical observatory.

Observations sur la densité de la couche de neige, 1903/4-1907/8, par E. Berg. St.-Pétersbourg. 1911. x, 41 p. f°. (Reprint: Annales de l'Observatoire physique central Nicholas, 1908, 1re partie.)

Schmidt, Albert.

Niederschlagskarten des Taunus. Stuttgart. 1912. 28 p. 3 maps. 8°. (Forsch. z. deut. Landes- u. Volkskunde. 19. Bd. Heft 5.)

Schulze, Franz.

Luft- und Meereströmungen. Leipzig. 1911. 149 p. 16°.
(Sammlung Göschen. No. 551.)

Sutton, J. R.

A note on the land and sea breezes of South Africa. (Reprint: Trans. R. soc. So. Africa, v. 2, pt. 3, 1912. p. 293-300.) Some causes and effects of variation in the range of temperature. (Reprint: Trans. R. soc. So. Africa, v. 2, pt. 4, 1912. p. 341-356.) Sunshine at Kimberley. [n. t. p.] 3 p. 8°. (Reprint: Agr. jour. of the Union of So. Africa, May, 1911.)

Switzerland. Abteilung für Landeshydrographie.

Graphische Darstellungen der Schweizerischen hydrometrischen Beobachtungen so wie der Lufttemperaturen u. Niederschlags-höhen für das Jahr 1910. [German and French text.] Bern. 1911. 11 p. 58 fold. pl. f°.

Ventou-Duclaux, L. & Robert, M.

Bases et méthodes d'études aérotechniques. Paris. 1911.. vii, 572 p. 137 fig. 8°.

Wernicke, E.

Wetterkunde. Leipzig. [1912.] 42 p. 16°. (Naturw.-Techn. Volksbücherei, No. 6.)

Whitson, A. R. & Baker, O. E.

The climate of Wisconsin in its relation to agriculture. Madison, Wis. 1912. 65 p. 8°. (Univ. Wis. Agr. exp. sta. Bull. 223.)

Wilson, Wilford M.

Frost in New York. Ithaca, N. Y. 1912. 507-543 p. 8°.
(Cornell univ. Agr. exp. sta. Bull. 316.)

RECENT PAPERS BEARING ON METEOROLOGY.

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The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of